

# Pre-Selection of Emergency Animal Burial Sites at Confined Animal Feeding Operations Hydrogeologic Considerations



Presented by

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# Preferred Hydrogeologic Site Characteristics

- **At least 10 foot depth to groundwater**
- **No underlying unstable features**
  - seismic impact area, fault zone, fractured bedrock, etc.
- **Low permeable rock and soil**

# Pre-Selection Hydrogeologic Investigation

- **Regional Geology**
  - description of the stratigraphy
- **Aquifer Characteristics**
  - depth of groundwater, groundwater flow direction, depth of bedrock, aquifer and aquitard composition, soil and rock permeability, perched zones, etc.

# **Pre-Selection Hydrogeologic Investigation Resources**

- **Nearby wells**
- **Groundwater Management Districts 1-5**
- **K-State Research and Extension Offices**
- **Kansas Geological Survey (KGS)**
- **Kansas Department of Health and Environment**
  - **Bureau of Waste Management (BWM)**
  - **Bureau of Environmental Remediation (BER)**
  - **Bureau of Water (BOW)**

# **Pre-Selection Hydrogeologic Investigation Resources (continued)**

- **Kansas Water Office**
- **Kansas Department of Agriculture  
Division of Water Resources**
- **US Geological Survey**
- **US Army Corps of Engineers**
- **US Department of Agriculture**
- **US Natural Resources Conservation  
Service**